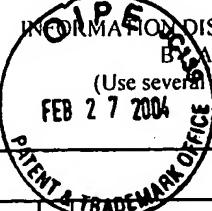
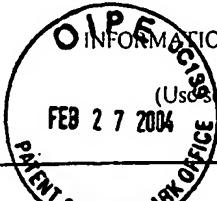


| Form PTO-1449  |                 | U.S. Department of Commerce<br>Patent and Trademark Office |   |    |   |    |   | Atty. Docket No.<br>P24130       |                 | Serial No.<br>10/721,073 |       |          |                            |   |                  |
|--|-----------------|--|---|----|---|----|---|----------------------------------|-----------------|--------------------------|-------|----------|----------------------------|---|------------------|
| <br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br>(Use several sheets if necessary)   |                 |  |   |    |   |    |   | Applicant<br>K. MASUNISHI        |                 |                          |       |          |                            |   |                  |
|  |                 |  |   |    |   |    |   | Filing Date<br>November 26, 2003 |                 | Group<br>Unknown         |       |          |                            |   |                  |
| <b>U.S. PATENT DOCUMENTS</b>   |                 |  |   |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| EXAMINER INITIAL   | DOCUMENT NUMBER |  |   |    |   |    |   | DATE                             | NAME            |                          | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |   |                  |
| PRS  | 5               | 4  | 0   | 5  | 3 | 3  | 7 | 04/11/95                         | MAYNARD         |                          |       |          |                            |   |                  |
| PRS  | 6               | 1  | 6   | 9  | 2 | 6  | 9 | 01/02/01                         | MAYNARD         |                          |       |          |                            |   |                  |
| PRS  | 6               | 4  | 6   | 1  | 3 | 3  | 7 | 10/08/02                         | MINOTTI et al.  |                          |       |          |                            |   |                  |
| PRS  | 5               | 2  | 6   | -8 | 0 | -8 | 2 | 12/07/93                         | OGURO et al.    |                          |       |          |                            |   |                  |
| PRS  | 4               | 9  | 7   | 6  | 1 | 9  | 1 | 12/11/90                         | SUZUMORI et al. |                          |       |          |                            |   |                  |
| PRS  | 5               | 5  | 7   | 7  | 9 | 9  | 2 | 11/26/96                         | CHIBA et al.    |                          |       |          |                            |   |                  |
| PRS  | 5               | 8  | 6   | 0  | 9 | 1  | 4 | 01/19/99                         | CHIBA et al.    |                          |       |          |                            |   |                  |
| <b>FOREIGN PATENT DOCUMENTS</b>  |                 |  |   |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
|  | DOCUMENT NUMBER |  |   |    |   |    |   | DATE                             | COUNTRY         |                          | CLASS | SUBCLASS | TRANSLATION<br>YES      NO |   |                  |
| A  | PRS             | 5  | -   | 2  | 5 | 3  | 1 | 7                                | 5               | 10/05/93                 | JAPAN |          |                            |   | X                |
| B  | PRS             | 6  | -   | 1  | 3 | 3  | 9 | 2                                | 3               | 05/17/94                 | JAPAN |          |                            |   | X                |
| C  | PRS             | 8  | -   | 2  | 6 | 6  | 6 | 3                                | 6               | 10/15/96                 | JAPAN |          |                            |   | X                |
| D  | PRS             | 8  | -   | 2  | 9 | 9  | 4 | 4                                | 7               | 11/19/96                 | JAPAN |          |                            |   | X <sup>PRS</sup> |
| E  | PRS             | 8  | -   | 3  | 3 | 7  | 7 | 6                                | 0               | 12/24/96                 | JAPAN |          |                            |   | X                |
| F  | PRS             | 8  | -   | 5  | 1 | 0  | 0 | 2                                | 4               | 10/22/96                 | JAPAN |          |                            |   |                  |
| G  | PRS             | 9  | -   | 7  | 9 | 2  | 0 | 4                                | 03/25/97        | JAPAN                    |       |          |                            | X |                  |
| H  | PRS             | 1  | 0   | -  | 1 | 7  | 7 | 3                                | 01/06/98        | JAPAN                    |       |          |                            | X |                  |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>  |                 |  |   |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| A  | PRS             | 1  | English Language Abstract of JP 5-253175. |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| B  | PRS             | 2  | English Language Abstract of JP 6-133923. |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| C  | PRS             | 3  | English Langage Abstract of JP 8-266636.  |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| D  | PRS             | 4  | English Langage Abstract of JP 8-299447.  |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| E  | PRS             | 5  | English Langage Abstract of JP 8-337760.  |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| H  | PRS             | 6  | English Langage Abstract of JP 10-1773.   |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| I  | PRS             | 7  | English Langage Abstract of JP 10-24014.  |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| J  | PRS             | 8  | English Langage Abstract of JP 10-29190.  |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |
| EXAMINER <i>Philip R. Smith</i>  |                 |  |   |    |   |    |   | DATE CONSIDERED <i>7/19/2005</i> |                 |                          |       |          |                            |   |                  |
| *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |  |   |    |   |    |   |                                  |                 |                          |       |          |                            |   |                  |

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|--|--|--|--|----------------------------------|--------------------------|
| Form PTO-1449  |  | U.S. Department of Commerce<br>Patent and Trademark Office |  | Atty. Docket No.<br>P24130       | Serial No.<br>10/721,073 |
| <b>O P E R A T I O N S</b><br><b>INFORMATION DISCLOSURE STATEMENT</b><br><b>BY APPLICANT</b><br><small>(Use several sheets if necessary)</small> |  |  |  | Applicant<br>K. MASUNISHI        |                          |
|  |  |  |  | Filing Date<br>November 26, 2003 | Group<br>Unknown         |



## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER |  |  |  |  |  |  | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|--|--|--|--|--|--|------|------|-------|----------|----------------------------|
|                  |                 |  |  |  |  |  |  |      |      |       |          |                            |
|                  |                 |  |  |  |  |  |  |      |      |       |          |                            |
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|                  |                 |  |  |  |  |  |  |      |      |       |          |                            |
|                  |                 |  |  |  |  |  |  |      |      |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|   |     | DOCUMENT NUMBER |   |   |   |   |   |   | DATE | COUNTRY  | CLASS | SUBCLASS | TRANSLATION<br>YES      NO |   |
|---|-----|-----------------|---|---|---|---|---|---|------|----------|-------|----------|----------------------------|---|
| I | PRS | 1               | 0 | - | 2 | 4 | 0 | 1 | 4    | 01/27/98 | JAPAN |          |                            | X |
| J | PRS | 1               | 0 | - | 2 | 9 | 1 | 9 | 0    | 02/02/98 | JAPAN |          |                            | X |
| K | PRS | 1               | 1 | - | 4 | 8 | 1 | 7 | 1    | 02/23/99 | JAPAN |          |                            | X |
| L | PRS | 1               | 1 | 2 | 1 | 6 | 1 | 8 | 6    | 10/10/99 | JAPAN |          |                            | X |
| M | PRS | 20              | 0 | 1 | - | 7 | 0 | 4 | 5    | 03/21/01 | JAPAN |          |                            | X |
| N | PRS | 20              | 0 | 0 | 1 | 3 | 5 | 2 | 8    | 05/16/00 | JAPAN |          |                            | X |
| O | PRS | 20              | 0 | 0 | 1 | 8 | 9 | 5 | 1    | 07/11/00 | JAPAN |          |                            | X |
| P | PRS | 20              | 0 | 1 | 5 | 0 | 9 | 2 | 3    | 07/10/01 | JAPAN |          |                            |   |
| Q | PRS | 20              | 0 | 1 | 5 | 2 | 6 | 5 | 2    | 12/18/01 | JAPAN |          |                            |   |
| R | PRS | 4               | - | 2 | 7 | 5 | 0 | 7 | 8    | 09/30/92 | JAPAN |          |                            |   |
| S | PRS | 1               | - | 2 | 4 | 7 | 8 | 0 | 9    | 10/03/89 | JAPAN |          |                            |   |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|   |     |   |   |  |
|---|-----|---|---|--|
| K | PRS | 9 | English Language Abstract of JP 11-48171. |  |
| L | PRS | 1 | 0   | English Language Abstract of JP 11-216186.   |
| M | PRS | 1 | 1   | English Language Abstract of JP 2001-70453.  |
| N | PRS | 1 | 2   | English Language Abstract of JP 2000-135288. |
| O | PRS | 1 | 3   | English Language Abstract of JP 2000-189518. |

EXAMINER *Chris R. Smith* DATE CONSIDERED *7/12/2005*

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